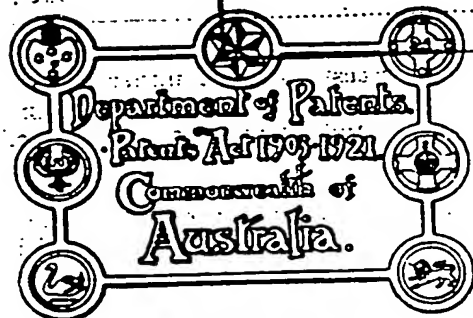


Subsequent relating cases



No. 21,171/29.

APPLICATION DATED  
11th July, 1929.

INCLUDING COGNATE  
No. 21,987/29.

Applicant (Actual Inventor) ... SAMUEL WALTER WYMARK.  
Application and Provisional Specification Accepted 24th July, 1929.  
No. 21,171  
Application and Provisional Specification Accepted 4th September, 1929.  
No. 21,987  
Complete Specification lodged under Sec. 63A of "Patents Act 1903-1921." Accepted 11th August, 1930.  
Acceptance Advertised (Sec. 50) ... 26th August, 1930.

Class 39.3.

Drawing attached.

COMPLETE SPECIFICATION.

"An improved shoe for horses and like animals."

I, SAMUEL WALTER WYMARK, of "Helvetia," Sandgate Road, Boondall, Brisbane, in the State of Queensland, Commonwealth of Australia, Traveller, hereby declare this invention and the manner in which it is to be performed to be fully described and ascertained in and by the following statement:—

The object of this invention is the production of a shoe for horses and like animals which will reduce the jarring in comparison with that caused by metal shoes, which will prevent the animal slipping on bituminous and like roads, and which will have a longer life than metal shoes.

In carrying out my invention I make the shoe of rubber, vulcanized rubber, or other resilient material, with metal reinforcement, and, if desired, with canvas or other material reinforcement on the surface or within the material.

In order that the invention may be better understood I will now describe it in relation to the accompanying drawings, and, as various forms of the invention are shown in the respective figures, I will describe each figure separately. Similar parts in the various forms will be referred to by like letters of reference.

Fig. 1. The shoe A is of ordinary shape, being made of rubber, vulcanized rubber, or other resilient material, reinforced with a flat strip B of metal bent to shape. The clip C is formed on the metal strip B and projects through the rubber shoe A so as to engage the hoof of the animal.

Fig. 2. The arrangement according to this figure is the same as that shown in Fig. 1 excepting that the rubber shoe A is moulded with oval or otherwise shaped recesses D, aluminium or other washers E being let into the rubber either during moulding or afterwards. Holes F are formed through the discs E, rubber A, and reinforcement B. This figure is an inverted view of the shoe.

Fig. 3. In this case, the metal reinforcement is in three portions, viz.: the toe section G and wing sections G1, the several sections being connected by links G2. The toe section G is formed with one or three clips G3. The transverse strap H, which is bedded in the upper surface of the shoe A, is secured to and prevents side movement of the reinforcement wings G1. The ends of the straps may be turned up or down as desired.

Fig. 4. This arrangement is similar to that shown in Fig. 3, excepting that a strip

J of spring metal is bedded in the resilient shoe A outside the reinforcement G G1. This strip J may be used in the arrangements shown in Figs. 1, 2, and 3, and Fig. 5 which follows.

Fig. 5. The three sections G G1 of reinforcement are here shown joined by a slidable knuckle or like joint K. The resilient shoe almost covers the bottom of the hoof of the animal, an opening K1 being arranged over the frog of the foot.

Fig. 6 is a broken sectional view showing the addition of a corrugated or zig-zag reinforcement L. This reinforcement may be used in the various arrangements described.

Figs. 7 and 8 show a reinforcement M wherein the toe portion M1 is thicker than the heel portion M2. The resilient material A would be of uniform thickness, thus providing a cushion over the heel portion M2 of the reinforcement. The reinforcements previously described may be similarly formed.

Fig. 9. In the arrangements previously described the reinforcements B are embedded in the resilient material A when being moulded. In Fig. 9, the reinforcement B is shown as being let in at the side.

While the reinforcement B would be somewhat the same shape as the present shoe, as shown in the drawings, I may vary the shape of the resilient material A forming the shoe. It may be as shown in Figs. 1 to 4 inclusive without or with the junction piece N shown in Fig. 2. I prefer that it be made as shown in Fig. 5, and, as a further alternative, it may be solid, that is without the opening at the frog of the foot.

Nail holes may be formed in the shoe during manufacture or after manufacture.

Canvas or like material may be used as a reinforcement, being embedded in the resilient material or secured on the outside.

Having now fully described and ascertained my said invention and the manner in which it is to be performed, I declare that what I claim is:—

1. An improved shoe for horses and like animals formed of rubber or other resilient material moulded to shape and reinforced

with a metal strip, a toe clip formed on said reinforcement, recesses on the under side of said shoe, and washers in said recesses, and nail holes. (Application No. 21,171 of 1929.)

2. An improved shoe for horses and like animals formed of rubber or other resilient material moulded to shape, reinforced with three strips of metal jointed together endwise so as to form a centre and two wing sections, toe clips formed on said toe section, and nail holes in said shoe. (Application No. 21,987 of 1929.)

3. An improved shoe for horses and like animals as claimed in Claim 2 with additional reinforcement formed of corrugated or zig-zag metal strips. (Application No. 21,987 of 1929.)

4. An improved shoe for horses and like animals as claimed in Claim 2 or Claim 3 with a strip of springy metal bedded in said shoe. (Application No. 21,987 of 1929.)

5. An improved shoe for horses and like animals as claimed in Claim 2 or Claim 3 or Claim 4 with a transverse strap secured to said shoe. (Application No. 21,987 of 1929.)

6. In an improved shoe for horses and like animals, the combination and arrangement of parts as herein described and as illustrated in the accompanying drawings and as included in the Provisional Specification which accompanied Application No. 21,171 of 1929.

7. In an improved shoe for horses and like animals, the combination and arrangement of parts as herein described and as illustrated in the accompanying drawings, and as included in the Provisional Specification which accompanied Application No. 21,987 of 1929.

Dated this fourteenth day of March, A.D. 1930.

S. W. WYMARK,

By his Patent Attorney,

ALEXANDER ANDERSON

(trading as Bernays & Anderson).

Witness—I. Burns.

FIG. 1.

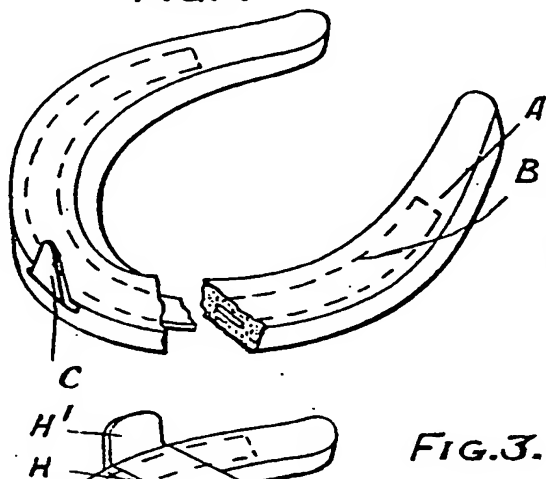


FIG. 2.

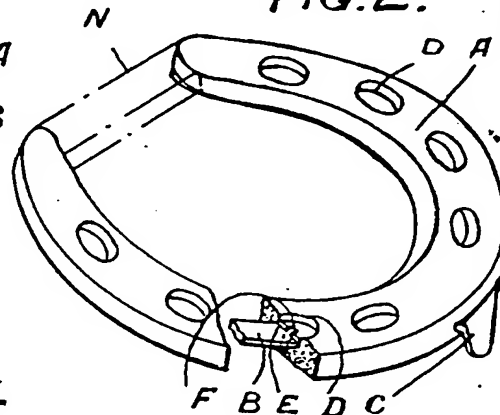


FIG. 3.

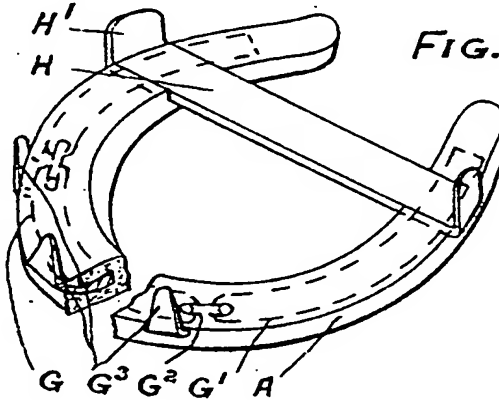


FIG. 4.

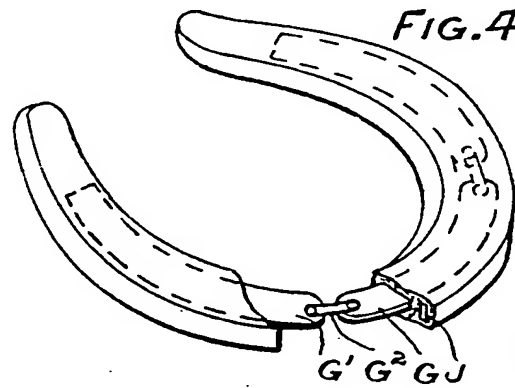


FIG. 5.

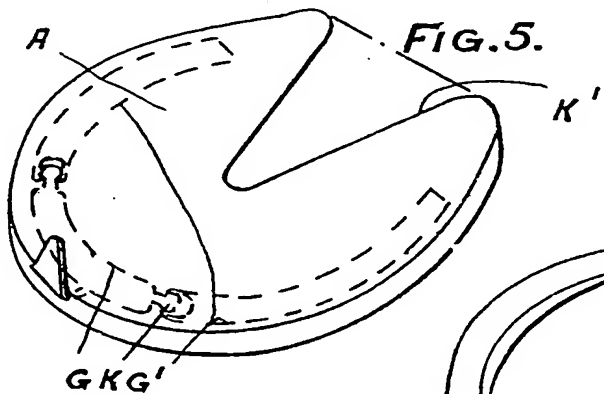


FIG. 6.

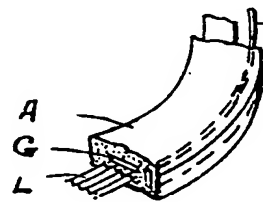


FIG. 9.



FIG. 8.

